

35. A method in accordance with claim 1, wherein,

said soft decision samples are stored in said decision feedback equalizer filter in said first mode and used to adapt the parameters of said decision feedback equalizer filter using a first adaptation algorithm;

said hard decision samples are stored in said decision feedback equalizer filter in said second mode and used to adapt the parameters of said decision feedback equalizer filter using a second adaptation algorithm; and

said first adaptation algorithm is a Constant Modulus Algorithm, and said second adaptation algorithm is a Least Mean Squares Algorithm.

Respectfully submitted,  
by

  
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DATED: Aug 7, 2002

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